

# Converting Colors

$Y_{xy}(48.4676, 0.4114, 0.4329)$

Have a look what the booklet for  
Yxy(48.4676, 0.4114, 0.4329)  
contains.

<b>Yxy(48.2611, 0.4111, 0.4323)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.2611, 0.4111, 0.4323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4B65E
RGB	212, 182, 94
RGB Percent	83%, 71%, 37%
CMY	0.1687, 0.2862, 0.6314
CMYK	0.00, 0.14, 0.56, 0.17
HSL	45°, 58%, 60%
HSV	45°, 56%, 83%
XYZ	45.8944, 48.2611, 17.4825
YIQ	180.9380, 46.1280, -21.0080

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">134, 212, 94</a>
Decimal	<a href="#">13940318</a>
CIELab	<a href="#">74.99, 0.07, 48.17</a>
CIELCh	<a href="#">75, 48.174, 89.920</a>
Yxy	<a href="#">48.2611, 0.4111, 0.4323</a>
Android (android.graphics.Color)	<a href="#">4292130398 (0xFFD4B65E)</a>
YUV	<a href="#">180.9380, -42.8604, 27.2414</a>
Hunter-Lab	<a href="#">69.4702, -3.6497, 33.7085</a>

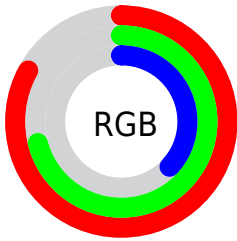
# Details

The Yxy color **48.2611, 0.4111, 0.4323** is a light color, and the websafe version is hex **FFCC66**.

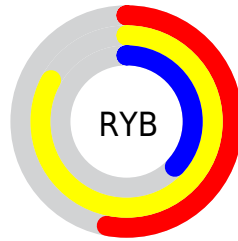
The color can be described as light muted orange. A complement of this color would be **21.5341, 0.2146, 0.1950**, and the grayscale version is **46.3900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5157, 0.3826, 0.4195**, and **22.8435, 0.4344, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **45.7708, 0.4290, 0.4464**, and if you desaturate by 10%, it is **50.9453, 0.3923, 0.4155**.

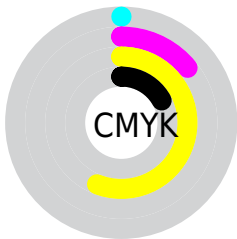
# Distribution



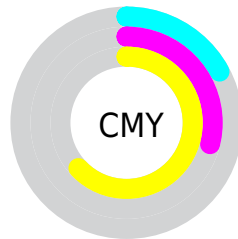
- Red (83%)
- Green (71%)
- Blue (37%)



- Red (53%)
- Yellow (83%)
- Blue (37%)



- Cyan (0%)
- Magenta (14%)
- Yellow (56%)
- Black (17%)




- Cyan (17%)
- Magenta (29%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2611, 0.4111, 0.4323 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 48.2611, 0.4111, 0.4323 by changing the saturation by 10% instead.





 48.2611, 0.4111,  
0.4323


 48.2611, 0.4111,  
0.4323


379.8261, 0.3644,  
0.3833


 34.0337, 0.4214,  
0.4431


 87.5930, 0.3950,  
0.4155

 22.9195, 0.4335,  
0.4558


 113.4663, 0.3887,  
0.4088

 14.5341, 0.4477,  
0.4707


 143.9904, 0.3832,  
0.4031

 8.4930, 0.4638,  
0.4875

 179.5497, 0.3785,  
0.3981

 4.4120, 0.4876,  
0.5124

220.5285, 0.3743,  
0.3937

 1.9066, 0.4877,  
0.5123

267.3112, 0.3706,

 0.5523, 0.4881,

0.3898

0.5119

320.2823, 0.3673,  
0.3864

0.0000, 0.0000,  
0.0000

48.2611, 0.4111,  
0.4323

48.2611, 0.4111,  
0.4323

45.7708, 0.4290,  
0.4464

50.9453, 0.3923,  
0.4155

43.4577, 0.4451,  
0.4566

53.8251, 0.3734,  
0.3969

41.3129, 0.4587,  
0.4622

56.9108, 0.3550,  
0.3775

39.3230, 0.4692,  
0.4630

60.2098, 0.3375,  
0.3581

38.4976, 0.4732,  
0.4624

63.7290, 0.3213,  
0.3393

■ 67.4749, 0.3064,  
0.3213

■ 71.4536, 0.2929,  
0.3045

■ 75.1066, 0.2857,  
0.2974

■ 78.0646, 0.2859,  
0.3032

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.2611, 0.4428, 0.3894



48.2611, 0.4111, 0.4323



48.2611, 0.3547, 0.4512

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.2611, 0.4111, 0.4323



48.2611, 0.2025, 0.2987



48.2611, 0.3250, 0.2525

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.2611, 0.4111, 0.4323



21.5341, 0.2146, 0.1950

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.2611, 0.2614, 0.2301



48.2611, 0.4111, 0.4323



48.2611, 0.1967, 0.2504

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.2611, 0.4111, 0.4323



48.2611, 0.2351, 0.3664



48.2611, 0.2168, 0.2282



48.2611, 0.3916, 0.2911



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2611, 0.4111, 0.4323



48.2611, 0.3115, 0.4407



48.2611, 0.2168, 0.2282



48.2611, 0.3024, 0.2430

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.2634, 0.4111, 0.4323



90.6921, 0.3401, 0.3611



23.4890, 0.4326, 0.2914



19.1905, 0.3436, 0.3650



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.2634, 0.4111, 0.4323



68.7965, 0.4325, 0.4488



58.1291, 0.3694, 0.4727



13.9611, 0.3273, 0.3463



23.9399, 0.4723, 0.4632



1.5727, 0.4612, 0.4720



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.5341, 0.2146, 0.1950



24.4294, 0.1938, 0.1612



16.8579, 0.2271, 0.1606



12.5161, 0.2982, 0.3111



4.6905, 0.1585, 0.0905

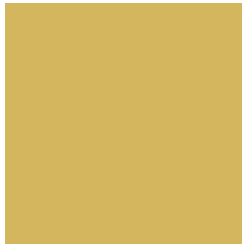


0.4165, 0.1679, 0.1244



# Previews

## White Background



This preview shows how the Yxy color 48.2611, 0.4111, 0.4323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

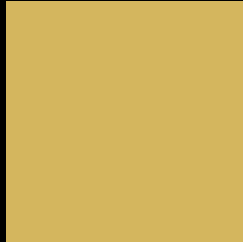
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.2611, 0.4111, 0.4323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.2611, 0.4111, 0.4323**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2611, 0.4111, 0.4323.



This preview shows how white text looks on a background with the Yxy color 48.2611, 0.4111, 0.4323.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.2611, 0.4111, 0.4323

### Protanopia

48.3615, 0.4010, 0.4376

### Deuteranopia

48.2078, 0.4284, 0.4192



## Tritanopia

48.2235, 0.3451, 0.3138

# Trichromacy



## Original Color

48.2611, 0.4111, 0.4323

## Protanomaly

48.3726, 0.4045, 0.4354

## Deuteranomaly

48.1966, 0.4224, 0.4231

## Tritanomaly

48.0694, 0.3710, 0.3581

# Monochromacy



## Original Color

48.2611, 0.4111, 0.4323

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.4241, 0.3489, 0.3708

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2611, 0.4111, 0.4323 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 182, 94)` looks like.

```
.text, #text, p{  
    color:rgb(212, 182, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 182, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 182, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2611, 0.4111, 0.4323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 182, 94) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(212, 182, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(212, 182, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 182, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 182, 94);  
box-shadow:4px 4px 4px 4px rgb(212, 182,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2611, 0.4111, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 182, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
182, 94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor